

Claims

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1. Method with which a mobile subscriber with a WAP-enabled terminal can access a WEB or WAP server,
wherein said terminal sends a request for said server to a WAP gateway,
5 wherein the security in the air interface between said WAP-enabled terminal and said gateway is based on WTLS (Wireless Transport Layer Security),
wherein the security protocol used by said server is based on the SSL and/or TLS security protocol,
10 wherein the conversion between WTLS and SSL and/or TLS is effected in a secured domain of said server administrated by an administrator,
and wherein the packets sent by said terminal are routed by said gateway to said secured domain, without decrypting all the packets transported during a session.
- 15 2. Method according to claim 1, wherein said gateway (3) routes said packets to a proxy in said secured domain, said proxy using at least one protocol layer of the WAP protocol.
3. Method according to claim 2, wherein said packets are routed according to the URI and/or the domain name of the requested page in said
20 gateway.
4. Method according to claim 2, wherein said packets are routed according to the port number in said gateway (3).
5. Method according to claim 4, wherein the said packets are routed according to different port numbers to different secured domains.
- 25 6. Method according to claim 4, wherein said port numbers are extracted in an application layer of said gateway from the URI and/or URL of the requested page.

7. Method according to claim 6, wherein said port number is extracted from only a restricted number of packets during a session, and wherein the routing of at least one of the following packets depends on this extracted port number.

5 8. Method according to claim 7, wherein a proxy server in said secured domain extracts the URI and/or the port number of the received packets and wherein the proxy server sends back a command to said gateway if it receives a packet with a different URI and/or port number.

10 9. Method according to claim 4, wherein said port number is extracted from said URI and/or URL of the required web page in said terminal.

10. Method according to claim 9, wherein said port number is extracted by a browser from said URI and/or URL of the required web page.

15 11. Method according to claim 8, wherein the browser in said terminal only copies said port number in said packets if an end-to-end secured connection is requested.

12. Method according to claim 3, wherein said packets in said gateway are routed to a secured domain if said port number is comprised in a predefined range.

20 13. Method according to claim 3, wherein said gateway (3) sends a redirect command to said terminal if an end-to-end secured connection is requested.

14. Method according to the preceding claim, wherein said redirect command is time-limited.

25 15. Method according to claim 13, wherein a proxy server in said secured domain extracts the URI and/or the port number of the received

packets and sends a redirect command back to said terminal as soon as the session is to be routed to said gateway.

16. Method according to claim 13, wherein said redirect command contains a forwarding address which is extracted from a document made
5 accessible by said WEB or WAP server.

17. Method according to claim 13, wherein said redirect command contains a document which includes the forwarding address.

18. Method with which a mobile user with a WAP-enabled terminal can access a WEB or WAP server,
10 said terminal sending a request for said server to a WAP gateway, wherein a browser in said terminal extracts the port number of the demanded WEB or WAP page and copies it to packets sent to said gateway, and wherein said packets are routed in said gateway according to this port number.

15 19. Gateway able to receive WTLS-secured datagrams from WAP-enabled terminals and to convert them into SSL-secured requests, wherein said gateway can recognize datagrams that are to be sent on transparently and routes these datagrams without decrypting them.

20 20. Gateway according to the preceding claim, wherein said packets are routed according to the URI and/or the domain name of the requested page.

21. Gateway according to the claim 19, wherein said packets are routed according to the port number of the requested page.

22. Gateway according to the preceding claim, wherein said
25 packets are routed to different secured domains according to different port numbers.

23. Gateway according to claim 21, wherein said port number is extracted from the URI and/or URL of the requested page in an application layer of said gateway.

24. Gateway according to claim 21, wherein said port number is
5 extracted during a session only from a restricted number of packets,
and wherein the routing of at least one following packet depends on said extracted port number.

25. Method with which a terminal can access a server,
wherein said terminal sends a request for said server to a gateway,
10 wherein the security between said terminal and said gateway is based
on a first security protocol,
wherein said server is secured with a second security protocol,
wherein the conversion between said first and said second security
protocol is effected in a secured domain of said server administrated by an
15 administrator,
and wherein the packets sent by said terminal are routed by said gateway to said secured domain, without decrypting all the packets transmitted during a session.

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A2